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State of Utah
DEPARTMENT OF NATURAL RESOURCES
Division of Oil, Gas & Mining

MICHAEL R. STYLER
Executive Director
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Division Director

Inspection Report
Minerals Regulatory Program
Report Date January 6, 2006

Supervisor LDH

Mine Name: Monoclinic
Operator Name: William Harrison

Permit number: S/037/085
Inspection Date: October 5, 2005
Time: 12:50-1:40 PM

Inspector(s): Paul Baker and Doug Jensen

Other Participants: William Harrison (operator), Frank Bain (Moab BLM)

Mine Status: Inactive

Weather:

Elements of Inspection	Evaluated	Comment	Enforcement
1. Permits, Revisions, Transfer, Bonds	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Public Safety (shafts, adits, trash, signs, highwalls)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Protection of Drainages / Erosion Control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Deleterious Material	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Roads (maintenance, surfacing, dust control, safety)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Concurrent Reclamation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Backfilling/Grading (trenches, pits, roads, highwalls, shafts, drill holes)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Water Impoundments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Soils	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Revegetation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11. Air Quality	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Purpose of Inspection:

The operator requested that the site be inspected and released.

Inspection Summary:

1. Permits, Revisions, Transfer, Bonds

On October 31, 2005, the Division received a letter from the operator requesting a variance from revegetation requirements. The Division has yet to act on this request.

7. Backfilling/Grading

A portion of the disturbed area had been regraded (Photo 1), but there were still piles of material that needed to be smoothed out, such as the area in Photo 2. On October 26, 2005, I received an e mail from Frank Bain with pictures showing this work had been done (Photo 3).

10. Revegetation

There is a small amount of Indian ricegrass, rabbitbrush, and penstemon in part of the disturbed area (Photo 1).

We discussed how to roughen and seed the area, and Photo 3 shows how the site was roughened. Mr. Harrison did an excellent job; this is exactly what I was looking for.

Conclusions and Recommendations:

Inspection Date: October 5, 2005; Report Date: January 6, 2006
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I do not know the chemistry of the soils, but I suspect there are problems, such as pH or EC, that keep things from growing. A nearby pre-law area has several acres of tailings, and there is almost no vegetation—not even weeds. Since Mr. Harrison's site was previously disturbed and has no soils, it may be impossible for him to establish vegetation, but roughening it the way he did gives plants their best chance.

The previously reseeded area does not have as much vegetation as surrounding areas, and the operator has requested a variance from revegetation requirements based on previous disturbance and lack of topsoil. The Division needs to evaluate this request. I would like to wait and see whether vegetation becomes established on the newly-seeded areas before granting the variance or releasing the site.

Inspector's Signature



Date:

1/12/06

PBB:pb

cc: Bill Harrison, Operator
Frank Bain, Moab BLM

Attachment: Photos

ATTACHMENT

Photographs

S/037/085, Monoclinic Mine, William Harrison

Inspection Dated: October 5, 2005; Report Dated: January 6, 2006



Photo 1. This is an area the operator previously graded and seeded. There is some sparse vegetation.



Photo 3. This photo was taken by Frank Bain and received October 26, 2005. This is the surface preparation work the operator did and is a similar view to that shown in Photo 2.



Photo 2. A few places needed additional grading which has now been done.